

SEQUENCE LISTING

(1) GENERAL INFORMATION:

(i) APPLICANT: PE Corporation (NY)

(ii) TITLE OF INVENTION: ENERGY TRANSFER DYES WITH ENHANCED FLUORESCENCE

(iii) NUMBER OF SEQUENCES: 3

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: David J. Weitz, Wilson Sonsini Goodrich

& Rosati

(B) STREET: 650 Page Mill Road

(C) CITY: Palo Alto

(D) STATE: California

(E) COUNTRY: USA

(F) ZIP: 94304-1050

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: 3.5 inch diskette

(B) COMPUTER: IBM compatible

(C) OPERATING SYSTEM: Microsoft Windows 3.1/DOS 5.0

(D) SOFTWARE: Word 97

ASCII (DOS) TEXT format

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER:

(B) FILING DATE:

(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: 08/642,330

(B) FILING DATE: May 3, 1996

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: 08/672,196

(B) FILING DATE: June 27, 1996

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: 08/726,462

(B) FILING DATE: October 4, 1996

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: 09/046,203

(B) FILING DATE: March 23, 1998

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: 09/272,097

(B) FILING DATE: March 18, 1999

(C) CLASSIFICATION:

(viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: David J. Weitz

(B) REGISTRATION NUMBER: 38,362

(C) REFERENCE/DOCKET NUMBER: 16842-776

(ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: (650) 493-9300

(B) TELEFAX: (650) 493-6811

(2) INFORMATION FOR SEQ ID NO: 1:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 1217 nucleotides

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

GCCAAGCTTG	CATGCCTGCA	GGTCGACTCT	AGAGGATCCC	40
CGGGTACCGA	GCTCGAATTC	GTAATCATGG	TCATAGCTGT	80
TTCCTGTGTG	AAATTGTTAT	CCGCTCACAA	TTCCACACAA	120
CATACGAGCC	GGAAGCATAA	AGTGTAAGC	CTGGGGTGCC	160
TAATGAGTGA	GCTAACTCAC	ATTAATTGCG	TTGCGCTCAC	200
TGCCCCGCTTT	CCAGTCGGGA	AACCTGTCGT	GCCAGCTGCA	240
TTAATGAATC	GGCCAACGCG	CGGGGAGAGG	CGGTTTGCGT	280
ATTGGGCGCC	AGGGTGTTTT	TTCTTTTCAC	CAGTGAGACG	320
GGCAACAGCT	GATTGCCCTT	CACCGCCTGG	CCCTGAGAGA	360
GTTGCAGCAA	GCGGTCCACG	CTGGTTTGCC	CCAGCAGGCG	400
AAAATCCTGT	TTGATGGTGG	TTCCGAAATC	GGCAAAATCC	440
CTTATAAATC	AAAAGAATAG	CCCGAGATAG	GGTTGAGTGT	480
TGTTCCAGTT	TGGAACAAGA	GTCCACTATT	AAAGAACGTG	520
GACTCCAACG	TCAAAGGGCG	AAAAACCGTC	TATCAGGGCG	560
ATGGCCCACT	ACGTGAACCA	TCACCCAAAT	CAAGTTTTTT	600
GGGGTCGAGG	TGCCGTAAAG	CACTAAATCG	GAACCCTAAA	640
GGGAGCCCCC	GATTTAGAGC	TTGACGGGGA	AAGCCGGCGA	680
ACGTGGCGAG	AAAGGAAGGG	AAGAAAGCGA	AAGGAGCGGG	720
CGCTAGGGCG	CTGGCAAGTG	TAGCGGTCAC	GCTGCGCGTA	760
ACCACCACAC	CCGCCGCGCT	TAATGCGCCG	CTACAGGGCG	800
CGTACTATGG	TTGCTTTGAC	GAGCACGTAT	AACGTGCTTT	840
CCTCGTTGGA	ATCAGAGCGG	GAGCTAAACA	GGAGGCCGAT	880
TAAAGGGATT	TTAGACAGGA	ACGGTACGCC	AGAATCTTGA	920

GAAGTGTTTT	TATAATCAGT	GAGGCCACCG	AGTAAAAGAG	960
TCTGTCCATC	ACGCAAATTA	ACCGTTGTAG	CAATACTTCT	1000
TTGATTAGTA	ATAACATCAC	TTGCCTGAGT	AGAAGAACTC	1040
AAACTATCGG	CCTTGCTGGT	AATATCCAGA	ACAATATTAC	1080
CGCCAGCCAT	TGCAACAGGA	AAAACGCTCA	TGGAAATACC	1120
TACATTTTGA	CGCTCAATCG	TCTGAAATGG	ATTATTTACA	1160
TTGGCAGATT	CACCAGTCAC	ACGACCAGTA	ATAAAAGGGA	1200
CATTCTGGCC	AACAGAG			1217

(2) INFORMATION FOR SEQ ID NO: 2:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 18 nucleotides

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

TGTAAAACGA	CGGCCAGT	18
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(2) INFORMATION FOR SEQ ID NO: 3:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 738 nucleotides

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

ATACGACTCA	CTATAGGGCG	AATTCGAGCT	CGGTACCCGG	40
GGATCCTCTA	GAGTCGACCT	GCAGGCATGC	AAGCTTGAGT	80
ATTCTATAGT	GTCACCTAAA	TAGCTTGGCG	TAATCATGGT	120

CATAGCTGTT	TCCTGTGTGA	AATTGTTATC	CGCTCACAAT	160
TCCACACAAC	ATACGAGCCG	GAAGCATAAA	GTGTAAAGCC	200
TGGGGTGCCT	AATGAGTGAG	CTAACTCACA	TTAATTGCGT	240
TGCGCTCACT	GCCCGCTTTC	CAGTCGGGAA	ACCTGTCGTG	280
CCAGCTGCAT	TAATGAATCG	GCCAACGCGC	GGGGAGAGGC	320
GGTTTGCGTA	TTGGGCGCTC	TTCCGCTTCC	TCGCTCACTG	360
ACTCGCTGCG	CTCGGTCGTT	CGGCTGCGGC	GAGCGGTATC	400
AGCTCACTCA	AAGGCGGTAA	TACGGTTATC	CACAGAATCA	440
GGGGATAACG	CAGGAAAGAA	CATGTGAGCA	AAAGGCCAGC	480
AAAAGGCCAG	GAACCGTAAA	AAGGCCGCGT	TGCTGGCGTT	520
TTTCCATAGG	CTCCGCCCCC	CTGACGAGCA	TCACAAAAAT	560
CGACGCTCAA	GTCAGAGGTG	GCGAAACCCG	ACAGGACTAT	600
AAAGATACCA	GGCGTTTCCC	CCTGGAAGCT	CCCTCGTGCG	640
CTCTCCTGTT	CCGACCCCTGC	CGCTTACCGG	ATACCTGTCC	680
GCCTTTCTCC	CTTCGGAAG	CGTGGCGCTT	TCTCATAGCT	720
CACGCTGTAG	GTATCTCA			738